## APPENDIX B BIBLIOGRAPHY

# Departments of the Army and Air Force Technical Manual

TM 5-809-3/NAVFAC DM-2.9/AFM 88-3,

Masonry Structural Design for Buildings

Chap. 3

U.S. Army Corps of Engineers

**Engineer Manual** 

EM 1110-2-I906 Laboratory Soil Testing.

Guide Specification CEGS-04200

Masonry.

Department of the Army

**Technical Reports** 

Crory, F.E., *Pile Foundations in Discontinuous Permafrost Areas.* U.S. Army Cold Regions Research and Engineering Laboratory Special Report 79, 1967.

Fulwider, C.W. and Stearman, J.H., Bibliography on Winter construction, 1940-1967. CRREL Special Report 83, 1966.

Kaplar, C.W., Some Experiments to Measure Frost Heaving Force in a Silt. CRREL Technical Note, 1965.

Keune, R. and Hoekstra, P., Calculating the Amount of Unfrozen Water in Frozen Ground from Moisture Characteristic Curves. CRREL Special Report 114, 1967.

Kitze, F.F., Some Experiments in Drive Sampling of Frozen Ground. Arctic Construction and Frost Effects Laboratory, Miscellaneous Paper 16, 1956.

Linell, K.A., Pavement Design for Areas of Deep Frost Penetration. CRREL Miscellaneous Paper, 1969.

Nakaya, U., Viscoelastic Properties of Snow and Icefrom the Greenland Ice Cap. U.S. Army Snow, Ice and Permafrost Research Establishment Research Report 46, 1959.

Stearns, S.R., Selected Aspects of Geology and Physiography of the Cold Regions. CRREL Monograph I-Al, 1956.

Stearns, S.R., Permafrost (Perennially Frozen Ground). CRREL Monograph I-A2, 1966.

U.S. Army Engineer Waterways Experiment Station, *The Unified Soil Classification System*. Technical Report 3-357, 1953.

Woods, K.B. and Linell, K.A., Alaska-Canada Trip Report. CRREL Files, 1965.

Woods, K.B., Pringle, T.B. and Linell, K.A., Alaska Trip Report. CRREL Files, 1960.

#### **Department of the Air Force**

### **Technical Report**

Newark, N.M. and Haltiwanger, J.D., *Principles and Practices for Design of Hardened Structures*. U.S. Air Force Special Weapons Center Technical Documentary Report No. AFSW-TDY-62-138, 1962.

#### Other Technical Publications

American Concrete Institute, *Durability of Concrete Construction*. H. Woods Monograph No. 4, American Concrete Institute and Iowa State University Press, 1968.

Balch, J.C., Soil Refrigeration System. Patent No. 3,200, 470, U.S. Patent Office, 1965.

Brown, R.J.E., *The Distribution of Permafrost and its Relation to Air Temperature in Canada and the USSR*. Arctic, Vol. 13, No. 3, pp. 163-177, 1960.

Brown, R.J.E., Relation Between Mean Annual Air and Ground Temperatures in the Permafrost Region of Canada. In Permafrost: Proceedings, International Conference, Purdue University. National Academy of Sciences - National Research Council Pu. No. 1287, pp. 241-247, 1963.

Chellis, R.D., Pile Foundations. McGraw-Hill, New York, 2nd. Ed., 1961.

- Constantino, C.J., Wachowski, A. and Barnwell, V.L., *Finite Element Solution for Wave Propagation in Layered Media Caused by a Nuclear Detonation.* In Proceedings, Symposium on Wave Propagation and Dynamic Properties of Earth Materials. University of New Mexico Press, Albuquerque, N.M., 1967.
- Crocker, C.R., *Winter Construction*. Division of Building Research, National Research Council, Canada, Technical Paper No. 49, 1958.
- Cranberg, H.B., *Indirect Mapping of Snowcover for Permafrost Prediction at Schefferville, Quebec, Canada.* In Permafrost: The North American Contribution to the Second International Conference, Yakutsk. National Academy of Sciences-National Academy of Engineering National Research Council, Washington, D.C. 1973.
- Hennion, F.B., Frost and Permafrost Definitions. Highway Research Board Bulletin, No. 111, pp. 107-110, 1955.
- Hoekstra, P. and McNeill, D., *Electromagnetic Probing of Permafrost*. In Permafrost: The North American Contribution to the Second International Conference, Yakutsk. NAS-NAE-NRC, Washington, D.C., 1973.
- Hopkins, D.M., Karlstrom, T.N.V. and others, *Permafrost and Ground Water in Alaska*. U.S. Geological Survey Professional Paper No. 264-F, 1955.
- Krieth, F., Heat Transfer. International Textbook Co., Scranton, Pa., 1965 Linell, K.A., *Frost Action and Permafrost*. In Highway Engineering Handbook (K.B. Woods, Ed.), Section 13. McGraw-Hill, N.Y., pp. 13-1 to 13-35.
- Lobacz, E.F. and Quinn, W.F., *Thermal Regine Beneath Buildings constructed on Permafrost*. In Permafrost: Proceedings, International Conference, Purdue University. NAS-NRC Pub. No. 1287, pp. 247-252, 1963.
- Long, E.L., *The Long Thermopile*. In Permafrost: Proceedings, International Conference, Purdue University.
- NAS-NRC Pub. No. 1287, pp. 487-491, 1963.
- Long, E.L., Means for Maintaining Permafrost Foundations. Patent No. 3,217,791, U.S. Patent Office.
- Melnikov, P.I., Vyalov, V.A. and others, *Pile Foundations in Permafrost*. In Permafrost: Proceedings, International Conference, Purdue University. NAS-NRC Pub. No. 1287, pp. 542-547, 1963.
- National Research Council of Canada, *Proceedings of the Canadian Regional Permafrost Conference, I and 2 December 1964* (R.J.E. Brown, Ed.). Ottawa, Canada.
- Pearson, H., How Raber and Kief *Drilled 900 Holes in Permafrost in the Arctic in Midwinter.* Pacific Builder and Engineer, Vol. 62, No. 11, pp. 58-59, 1956.
- Penner, E., Frost Heaving Forces in Leda Clay. Canadian Geotechnical Journal, Vol. 7, No. 1, pp. 8-16, 1970.
- Penner, E. and Gold, L.W., Transfer of Heaving Forces by Adfreezing to Columns and Foundation Walls in Frost Susceptible Soils. Canadian Geotechnical Journal, Vol. 8, No. 4, pp. 514-526, 1971.
- Pihlainen, J.A., *Pile Construction in Permafrost*. Proceedings American Society of Civil Engineers, Vol. 85, No. SM6, pp. 75-95, 1959.
- Portland Cement Association, Structural Bureau, Cold Weather Concreting, ST94-3, 1966.
- RILEM Symposium, Winter Concreting: Theory and Practice. Danish National Institute of Building Research, 1956.
- Roberts, P.W. and Cooke, F.A., *Arctic Tower Foundations Frozen into Permafrost*. Engineering News-Record, Vol. 44, No. 6, pp. 38-39.
- Terzaghi, K., Theoretical Soil Mechanics. Wiley, New York, 1943.
- Thomas, M.K., *Climatological Atlas of Canada.* National Research Council, Canada. National Research Council, Canada. No. 3151, and Division of Building Research, No. 41, 1953.
- Yoakum, D., Winter Construction Earthwork and Foundations. ASCE Structural Engineering Conference, Seattle, Preprint No. 510, 1967.